

Date: Wed, 29 Jun 94 04:30:21 PDT
From: Ham-Digital Mailing List and Newsgroup <ham-digital@ucsd.edu>
Errors-To: Ham-Digital-Errors@UCSD.Edu
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Precedence: Bulk
Subject: Ham-Digital Digest V94 #211
To: Ham-Digital

Ham-Digital Digest Wed, 29 Jun 94 Volume 94 : Issue 211

Today's Topics:

ARRL Digital Conference
DSP-12 users/programmers
Is Timewave DSP-9 any good?
NET_Mac2.3.42.sea.hqx.text

Send Replies or notes for publication to: <Ham-Digital@UCSD.Edu>
Send subscription requests to: <Ham-Digital-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Digital Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-digital".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 28 Jun 94 21:19:16 GMT
From: news-mail-gateway@ucsd.edu
Subject: ARRL Digital Conference
To: ham-digital@ucsd.edu

	Subject:	Time:3:13 PM
OFFICE MEMO	ARRL Digital Conference	Date:6/28/94

The deadline for submission of papers for publication in the Proceedings of the 13th annual ARRL Conference on Digital Communications has been extended to July 5, 1994. Papers should be submitted to: Maty Weinberg, ARRL, 225 Main Street, Newington, CT 06111 or via Internet to lweinber@arrl.org. It is not necessary to present the paper at the Conference for the paper to be published in the Proceedings.

So, if you haven't already done so, put your fingers to the keyboard and write-up your software and hardware developments, experimental results, ideas, theories, philosophy, etc., to share with the digital communications community.

The ARRL Digital Conference will be held August 19-21, 1994, at the Thunderbird Hotel and Conference Center in Bloomington, MN, U.S.A. (near the Minneapolis International Airport). The main Conference presentations will be on Saturday August 20. In addition to the presentation of papers, six forums are planned covering digital data methods, DSP developments, HF data methods, TCP/IP developments, ARRL Committee updates, and high speed data transfer.

For more information call Cathy Thomas at 1-800-726-6715 or write to ARRL Digital Conference, Paul Ramey WG0G, 16266 Finland Ave., Rosemount, MN 55068, U.S.A.

73 de Rick W0TN <rick_whiting@atk.com>

Date: Wed, 29 Jun 1994 00:30:20
From: ihnp4.ucsd.edu!usc!cs.utexas.edu!convex!news.onramp.net!news.sprintlink.net!news.world.net!news.teleport.com!ip-ca.teleport.com!n7ryw@network.ucsd.edu
Subject: DSP-12 users/programmers
To: ham-digital@ucsd.edu

In article <2ua4f9\$c8@freenet3.scri.fsu.edu> bmm1@freenet3.scri.fsu.edu (Bruce M. Marshall) writes:

>From: bmm1@freenet3.scri.fsu.edu (Bruce M. Marshall)
>Subject: DSP-12 users/programmers
>Date: 22 Jun 1994 15:46:49 -0400

>I have been using an L.L.Grace DSP-12 for about a year now and am
>happy with it. It is a very powerful piece of equipment and is under
>utilized with it's present firmware. Is anyone doing any programming
>for this device?

Not really. The commented source code needs to be made available so that programmers don't have to re-invent the wheel to add functions to the unit.
> Is firmware version 2.0 the latest?

Yes, and I have not seen any word of further upgrades in the immediate future.

>Is the AEA DSP unit programmable

Yes, but unlike the Grace unit, AEA does not encourage outside development. This means that all improvements are written by them ONLY. It took them well over a year just to get the step outputs working for the PSK Pacsats...

> and if so are programs written for it compatible with the DSP-12?

Unfortunately, no. Although they do use the same DSP chip (56001), their control processors are completely different, as well as their underlying operating systems.

I have been using the DSP-12 for three years now, and I thoroughly enjoy it. If I ever get some time to play with it, I would love to do some programming with it. You can't do that with the DSP-2232...

Bill, n7ryw@teleport.com

Date: 28 Jun 1994 12:37:24 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!torn!news.unb.ca!
nbt.nbnet.nb.ca!mockler.nbnet.nb.ca!mockler@network.ucsd.edu
Subject: Is Timewave DSP-9 any good?
To: ham-digital@ucsd.edu

I've got power line noise on 20 meters about 50 percent of the time. Is the DSP-9 capable of doing anything about this? de Rick VE9HF.

Date: 28 Jun 94 19:10:50 GMT
From: news-mail-gateway@ucsd.edu
Subject: NET_Mac2.3.42.sea.hqx.text
To: ham-digital@ucsd.edu

The Netherlands, June 28, 1994.

Hello dear reader,

Today I distributed NET_Mac2.3.42.sea.hqx...

For those who don't know NET/Mac... NET/Mac is the application that supports TCP/IP over packet-radio, which means, that hamradio operators can use NET/Mac for their wireless TCP/IP network...

I believe I made some slips-of-the-pen in the 2.3.41 FTP-mods... Although I have not been able to reproduce all of the bugs that were reported, I still hope, that 2.3.42 cures those...

In this version of NET/Mac I implemented the following:

- Fix for mods that prompt for username and password
- Support 'rdate' command (see HELP-info)
- Fix error in TRACE-output, introduced in 2.3.41

This version obsoletes all versions of info-mac/comm/net/radio-netmac in the Sumex-Aim archives.

The new NET/Mac has (hopefully) been uploaded to:
ftp.ucsd.edu, to the directory hamradio/packet/tcpip/incoming.
If it's not there then look at hamradio/packet/tcpip/mac.

It may have also been uploaded to:
oak.oakland.edu, to the directory pub/hamradio/mac/digital

Kind regards,

Adam PA2AGA (e-mail: adam@iag.tno.nl)
(or: pa2aga@iag.tno.nl for letters only, NO BIG files here)

Date: Wed, 29 Jun 1994 05:15:03 GMT
From: iglou!gregl.slip.iglou.com!ke4dpx@uunet.uu.net
To: ham-digital@ucsd.edu

References <CqsDIB.HK8@cix.compulink.co.uk>, <xq+sPlQ.gregl@delphi.com>,
<p8yyAn4.forbest@delphi.com>mich.e
Subject : Re: Compiling JNOS with BC++ v4?

In article <p8yyAn4.forbest@delphi.com> Thom Forbes <forbest@delphi.com> writes:

>Hi Greg;
>I'm somewhat relieved to find I'm not the only one encountering difficulty
>compiling JNOS under Borland C++ ver. 4.0... Like yourself, I too
>have resorted to using version 3.1 to compile JNOS. It occurs to me that
>a possible solution would be to construct an IDE project file for
>compilation under ver. 4.0, an enormous task.

I don't know what the difference is, but I could not get JNOS 1.10b to run correctly when compiled with Borland C++ 4.0. Actually, it seemed to come up OK but crashed (hung the system) on exit. Based on this information, I never tried to actually attach any ports or work out the problems. I figured Borland C++ 4.0 expected the stack frames to be unchanged and fixing it would be a major bear.

I grabbed JNOS 1.10d and have been running it for a few weeks. In the interim I ran into all kinds of problems -- users and a local PBBS would intermittently get a 'busy disconnect' from me for unknown reasons, etc. I finally traced that to a bug in iface.c (around line 40 the line ifp->flags += ... should be changed to ifp->flags |= ...). While trying to fix the problem, I compiled JNOS 1.10d with Borland C++ 4.0 with full debugging information (add -v to the compiler flags). For whatever reason it's been running without

problems for a couple of weeks. The only changes I've made are to the makefile to select BC4, and I add the experimental mods for F6FBB style forwarding.

End of Ham-Digital Digest V94 #211
